



UNITED STATES MARINE CORPS

MARINE AIR CONTROL SQUADRON 1 (REIN)

P.O. Box 99170

yuma, arizona 85369-9170

IN REPLY REFER TO:

5750

S-3

12 Jan 99

From: Commanding Officer, Marine Air Control Squadron 1 (REIN)

To: Commanding Officer, Marine Air Control Group 38

Subj: **COMMAND CHRONOLOGY FOR PERIOD OF 1 JULY - 31 DECEMBER 1998
(REPORT SYMBOL MC-5750.06)**

Ref: (a) MCO 5750.1G

(b) FMFPacO 5750.8E

(c) WgO 5750.2B

(d) GruO 5750.1J

Encl: (1) Marine Air Control Squadron 1 (REIN) Command Chronology (Report Symbol MC 5750.06)

1. In accordance with references (a) through (d), the enclosure is submitted.



G. K. WILKINSON

MARINE AIR CONTROL SQUADRON 1 (REIN)

COMMAND CHRONOLOGY

1 JULY TO 31 DECEMBER 1998

INDEX

SECTION 1	ORGANIZATIONAL DATA
SECTION 2	NARRATIVE SUMMARY
SECTION 3	SEQUENTIAL LISTING OF SIGNIFICANT EVENTS
SECTION 4	SUPPORTING DOCUMENTS

SECTION 1

ORGANIZATIONAL DATA

1. Unit Description

a. Reporting Unit Code: M00880

b. Table of Organization numbers: 8633/8641/8642/8644

2. Period Covered and Location: 1 July to 31 December 1998 at Cannon Air Defense Complex (CADC), MCAS Yuma, Arizona 85369-9170; 32 Area, MCB Camp Pendleton, California; MCAS El Toro, Santa Ana, California; MCAS Miramar, San Diego, California; and MCAGCC 29 Palms, California.

3. Personnel Information

a. Commanding Officer

Lieutenant Colonel
Gregory K. Wilkinson
1 July - 31 December 98

b. Executive Officer

Lieutenant Colonel
Calvin D. Peters
1 July - 31 December 98

c. Sergeant Major

Sergeant Major
Jesse Nino
1 July - 31 December 98

d. Subordinate Commanders

Headquarters and Service Detachment
(H&S Det)

Captain
Matthew G. McClymonds
1 July - 31 July

Major
Gregory C. Loftesnes
1 August - 13 December

Captain
Andrea A. Montecchi
14 December - 31 December

Tactical Air Operations Center Detachment (TAOC Det)	Captain Jeffrey S. Kojac 1 July - 15 December
	Major Gregory C. Loftesnes 16 December - 31 December
Early Warning and Control Detachment	Lieutenant Colonel Timothy P. Jonas 1 July - 31 December
Air Defense Detachment Alpha (AD Det A)	Captain Andrea A. Montecchi 1 July - 17 August
Air Defense Detachment Bravo (AD Det B)	Captain Brian D. Simon 1 July - 10 August
Air Traffic Control Detachment Alpha (ATC Det A)	Captain Trent J. Ferris 1 July - 31 December
Air Traffic Control Detachment Bravo (ATC Det B)	Captain Thomas R. Raynor 1 July - 31 December
Air Traffic Control Detachment Charlie (ATC Det C)	Captain Rudy J. Uribe 1 July - 31 December
Air Traffic Control Detachment Delta (ATC Det D)	First Lieutenant George F. Farmakis 1 July - 31 December

e. Principle Staff Members

Adjutant	Captain Byron L. Schlather 1 July - 31 December
----------	---

Communications-Electronics Officer	Major Roger R. Renner 1 July - 31 December
Intelligence Officer	First Lieutenant Matthew D. Lerner 1 July - 31 December
Operations Officer	Major William P. Cabrera II 1 July - 31 December
Logistics Officer	First Lieutenant Sidney R. Welch 1 July - 31 December
Supply Officer	First Lieutenant Lawrence A. Washington 1 July - 16 October
	Second Lieutenant Christopher M. Messino 17 October - 31 December
f. Staff Historian	Master Gunnery Sergeant Gary E. Racel 1 July - 31 December

4. Average Monthly Strength:

	USMC Officer	USMC Enlisted	USN Officer	USN Enlisted
July	75	725	1	6
August	72	710	1	6
September	70	700	1	6
October	68	705	1	6
November	68	702	1	6
December	71	696	1	6

5. Equipment:

AN/TPS - 59(V3) Radar	2
-----------------------	---

AN/MRC - 145 (Radio set)	3
AN/TYQ - 23 (Tactical Air Operation Module)	6
AN/TSQ - 131 (Command and Control Sub-system)	8
AN/TSQ - 120 (Air Traffic Control Tower)	4
AN/TPS - 73 (Air Surveillance Radar)	4
AN/TPN - 22 (Precision Approach Radar)	4
AN/TRN - 44 (Tactical Air Navigational Aid)	4
AN/TRC - 195 (Communications Central)	4
AN/TPN - 30 (Precision Microwave Landing System)	13
AN/MPQ - 62 (Continuous Wave Acquisition Radar)	4
M927/28 (5-Ton Long bed Truck)	22
M923/25 (5-Ton Short bed Truck)	14
M936 (Wrecker)	2
M997 (Ambulance)	2
M998 (High Mobility Multi-Purpose Wheeled Vehicle)	27
MEP - 003 (30 kW Tactical generator)	7
MEP - 005 (30 kW 60 Hz Tactical generator)	7
MEP - 006A (60 kW Tactical generator)	18
MEP - 16B	7
MEP - 112	9
MEP - 115	8

SECTION 2

NARRATIVE SUMMARY

Command, Operations, and Training

The operational tempo combined with the ongoing reorganization of MACS-1 and numerous equipment and personnel changes presented significant challenges to the Squadron during the second half of 1998.

In July the TAOC Det deployed Marines to MCTSSA at Camp Pendleton to prepare for deployment to Kuwait as part of Marine Corps Functional Inoperability System Test (MCFIST). They conducted testing and gear familiarization involving the AN/TPS-59 (v)3 Radar, the AN/TYQ-23(v)4 Tactical Air Operations Module (TAOM), the AN/MSQ-124 Air Defense Communications Platform (ADCP), the AN/TYQ-82 Tactical Digital Communications Platform (TDCP), the AN/TYQ-87 Sector Anti-Air Warfare Facility (SAAWF) and the AN/MPQ-62 Continuous Wave Acquisition Radar (CWAR). Additionally, the TAOC Det provided a TAOM Data Link Node to support 4th LAAD Bn. as part of the USAF Red Flag exercise at Tonapa, NV.

The EW/C Det spent most of July working to complete the reorganization process resulting from the merger of MACS-7 and MACS-1. While disposing of excess equipment and spare parts the Detachment also began to lose significant numbers of personnel while downsizing to the new Table of Organization. In the midst of the reorganization, the EW/C Det continued to provide GCI to MAG-11 and augmented the Tactical Air Command Center (TACC) at MCAS El Toro during MEFEX.

Air Traffic Control Det A Completed their move into the EW/C work site. While ATC Det B and ATC Det D continued planning for their relocation from MCAS El Toro to MCAS Miramar. ATC Det C completed a Fleet Grooming inspection by SPAWARSYSCEN, NRAD, San Diego, CA.

The beginning of August saw the Squadrons focus shift from internal restructuring to exercise support. On 13 August the Squadron deployed Marines from three Detachments to Ali Al Salem Air Base, Kuwait, to support MCTSSA's Marine Corps Functional Interoperability System Test. The primary focus of the test was the new AN/TPS-59 (v)3 Radar. During the test the AN/TPS-59 (v)3 Radar was interfaced with the AN/TYQ-23 (v)4 TAOM and ADCP via Point to Point Data Link. In addition the TDCP was used to provide a TADIL-J link between the TAOM and ADCP. Additionally the CWAR was integrated into the system. The Squadron also provided Marines from the EW/C Det to support GuardEx, which involved the U.S. Customs Service and National Guard. ATC Det A and D underwent the Fleet Grooming inspection by SPAWARSYSCEN, NRAD. The Squadron conducted a Maintenance Management Inspection on 31 August.

During the month of September the TAOC Det became the first Fleet unit to receive the AN/TPS-59 (v)3 Radar. During the same time period the Det was also responsible for the divestiture of the AN/TPS-59 (v)1 version and the integration of four AN/MPQ-62 Continuous Wave Acquisition Radars. The TAOC performed the mission of a Regional Air Direction Center during JSTE 98-03. The TAOC provided Air Intercept Controllers to German Fighter Weapons Instructors Course at Holloman AFB. The EW/C conducted training on operations, maintenance and integration of the CW Radar. The month of September also saw 2 Marines from ATC Det B and C deploy to Poland as part of a Joint Contact team. The Squadron closed out the month with an Embark Readiness Inspection, and the move of ATC Det D personnel to MCAS Miramar.

The month of October would prove to be the busiest month of the year, as virtually the entire squadron was involved in supporting three major exercises simultaneously. The Squadron supported WTI 1-99 MATCALs with equipment from ATC Det C, an AN/TPS-73 from ATC Det D, MMT from ATC Det B, and Sector Acquisition Sections from the TAOC.

During CAX 1/2-99 the TAOC Det deployed to MCAGCC 29 Palms, CA and provided a Tactical Air Direction Center and one SAS. ATC Det A and B provided augments to the AGSE for airfield operations. In support of WINGEX the TAOC deployed to MCAGCC 29 Palms Camp Wilson and Gold Mountain Big Bear, CA and were critical components in providing the recognized air picture and digital information link connectivity to the Aviation Combat Element. The Det Also deployed the last of its four SAS's. The EW/C supported WINGEX from garrison at MCB Camp Pendleton by providing data link operations, GCI and TATC support for aircraft flying in the W291 training area. During this time frame ATC Det D moved all tactical and support equipment to MCAS Miramar as part of the BRAC move, and the EW/C Det took delivery of the Squadron's second AN/TPS 59(v)3 Radar.

The month of November saw the conclusion of WTI 1-99 and continued support of CAX 2-99. The EW/C Det conducted acceptance testing and NET training for the AN/TPS 59(v)3 Radar. On 18 November ATC Det C began providing PAR/GCA services for MCAS Yuma while the station underwent extended field maintenance. ATC Det B participated in Desert Knight and Desert Thunder exercises as well as providing six Marines for a MEF Deployment Readiness Exercise. ATC Det D sent Marines from their NAVAIDS and Comm sections to NRAD, San Diego for technical assist and repair/modifications. On 23 November a group of British Royal Marine Officers toured the Squadron during their study of the Marine Air Command and Control System.

The month of December brought welcome relief from the high operational tempo of the preceeding months. During the first week of December the squadron conducted Maintenance Management Inspections of all commodity areas in preparation for the

upcoming FSMAO assist visit in January. From 2-11 December, 53 Marines from the EW/C Det took virtually all the detachment's assets and established an EW/C site at Red Beach on Camp Pendleton. The internal exercise, dubbed Lightning Strike, was the Det's first opportunity to deploy the AN/TPS 59(v)3 Radar. As the month of December came to a close, the squadron was looking toward the new year and preparations for deployment to White Sands Missile Range in support of Patriot testing.

Personnel and Administration

The tempo of administrative activity remains high. Marines from MACS-1 continue to support the Consolidated Personnel Administration Center aboard MCAS Yuma. The Adjutant section continues to provide administrative and legal support to the Squadron Headquarters and coordinates administrative activities with the Marine Air Control Group 38 staff. During this period, there were several personnel staffing changes throughout the Squadron due to the divestiture of the HAWK missile system from the Marine Corps inventory.

Legal Action

The Commanding Officer is the Summary Court Martial Convening Authority for all subordinate detachments (seven as of 31 December 1998). The following legal proceedings were held on Squadron personnel:

General Courts Martial	1
Special Courts Martial	2
Summary Courts Martial:	1
Non-Judicial Punishment:	33
Administrative Separations	17
JAG Manual Investigations:	21

Awards

The Squadron recognized the performance of outstanding Marines by presenting the following awards:

Meritorious Service Medals	2
Navy Commendation Medals	4
Navy/Marine Corps Achievement Medals:	27
Certificates of Commendation:	41
Meritorious Masts:	33
Letters of Commendation/Appreciation:	28

Intelligence

The Squadron intelligence section continued to provide support to the Squadron staff and detachments. They maintained squadron-wide security procedures and they provide intelligence updates to the squadron officers on several areas of interest including the Middle East and Asia. In addition, they provided intelligence updates, maps, and Tactical Aircrew Mission Planning Systems (TAMPS) diagrams for squadron units during all their exercises.

Logistics and Supply

The logistics and embarkation sections maintained their extremely high operational tempo in support of the squadron. This section provided logistical support for transportation of things (TOT) and transportation of personnel (TOP) for all the squadron exercises and deployments as well as day to day support of subordinate detachments.

The Hazardous Materials section made significant progress in reducing the amounts of hazardous materials maintained by the squadron. The section continues to train and monitor the education of squadron and detachment personnel assigned to HazMat billets.

Communications and Electronics

Throughout this period the S-6 office Information Systems Coordination section (ISC) continued to provide Local Area Network (LAN) connectivity within the squadron. A plan was developed for upgrading the LAN topology from a shared, 10mbs, bus topology to a dedicated 100mbs star topology. A fiber-optic based solution for our LAN backbone was developed. Non-secure e-mail/LAN access to deployed units at site 50 with seven nodes, including Internet access was provided during WTI 2-98. Over one third of MACS-1 computers have been upgraded to meet IT21 standards. TCP/IP protocols on Banyan servers and Microsoft Windows 3.1x and Windows 95 client platforms were implemented squadron wide for Internet access. The section successfully

transitioned the squadron between Banyan VINES 3270 services and TCP/IP based 3270 access using Hummingbird's Host Explorer application, and Implemented 2 Class C IP networks. The section began an initiative to enhance the data transfer medium between MCAS Yuma and this site at CADC, and incorporated an addressing strategy in support of the merger of MACS-1 and MACS-7 including an ISC support plan for the four detachments located at MCAS Miramar and Camp Pendleton. ISC stood up new LAN topology plan for two ATC detachments after their move from MCAS El Toro to MCAS Miramar, and initiated and completed numerous Y2K studies to prepare MACS-1 for the new millennium. Five Banyan servers were upgraded from VINES version 5.54(20) and 6.30(0) to 7.10(0) and 8.50(1).

LAN and Internet access was installed at ATC Det C resulting in "hard wired" LAN access for the first time since the Det was stood up in 1994. The Operational Communications and Communications Maintenance sections supported WTI 1-99, MCFIST, WINGEX, CAX and RED FLAG exercises with voice and data connectivity as well as 1st through 4th echelon maintenance support. The S-6 office has completed the integration of the MPQ-62 radar and personnel into the TAOC Detachment's radar section. The divestiture of HAWK lead to removal of multi-channel radio capability and transfer of all associated personnel. MARCORSYSCOM training team was hosted to teach the USM-646 Test Set to technicians and maintainers. CMS initiated the implementation of the EKMS system as well as the training of EKMS CMS personnel. A special CMS inventory was completed for the turnover of our CMS Custodian and we recieved a noteworthy result from a CMS A&A team inspection.

SECTION 3

SEQUENTIAL LISTING OF SIGNIFICANT EVENTS

7 - 24 July	Two ATC Det B Marines Deployed to China Lake for TPN - 30 Operations
12 - 31 July	TAOC Det deployed Marines to MCTSSA, MCB Camp Pendleton in preparation for deployment to Kuwait
13 - 17 July	ATC Det C conducted Fleet Grooming for maintenance personnel
13 July	ATC Det C deployed MMT ISO VMGR 352 at AUXII, MCAS Yuma, AZ
20 - 24 July	EW/C Det provided augments for the TACC during MEFEX 98 at MCAS El Toro
21 July - August 15	ATC Det A Marines deployed to Corpus Christi, TX with VMU - 1 ISO JTF-6
21 July	Top Gun Students toured EW/C Det, MCB Camp Pen, CA
23 July - 9 August	TAOC Det deployed to support LAAD Bn during Red Flag exercise Nellis AFB, NV
23 July	ATC Det C began time-share with MCAS Yuma Station ATC.
27 July - 21 August	EW/C Det supported data link exercise with the US Customs and National Guard
27 - 31 July	ATC Det B conducted Safety Stand Down
27 - 30 July	ATC Det D conducted MMT operations in support of VMGR 352 at, AUX II airfield, MCAS Yuma, Az
3 August - 15 September	H&S Det supported MCTSSA Developmental testing at MCB Camp Pendleton, CA
4 August - 2 September	EW/C Det Marines supported Ulchi Focal Lens - 98 at Osan AB, Korea
10 - 14 August	ATC Det D underwent a Fleet Grooming inspection by SPAWARSYSCEN, NRAD, San Diego, CA

12 August	ATC Det A supported VMGR-352 with an MMT at Hunter - Liggett, CA
13 August - 16 September	H&S Det, TAOC Det, and EW/C Det Marines deploy to Ali Al Salem Air Base, Kuwait to support MCTSSA's Marine Corps Functional Interoperability System Test (MCFIST). The focus of the excerscise is the new AN/TPS (V) 3 Radar.
14 August - 17 September	EW/C Det conducted training on the AN/MPQ-62 Continuous Wave Acquisition Radar.
14 -28 August	EW/C Det Marines supported UFL - 98 at MCAS El Toro
17 - 19 August	ATC Det A NRAD administrative inspection
24 -26 August	ATC Det A NRAD technical inspection
25 - 26 August	ATC Det A and ATC Det C conducted MMT operations at Stoval and AUX 2 airfields, MCAS Yuma, AZ
31 August	H&S Det conducted MMO inspections
5 - 14 September	Two Marines from ATC Det B and ATC Det C deployed to Poland.
11 September	ATC Det A conducted CTAPS training
12 September - 20 November	TAOC Det deploys Marines to Holloman AFB, NM as Air Intercept Controllers
14 September - 31 December	TAOC Det assigns two full - time Air Intercept Controllers to support VMFT - 401
15 - 30 September	MACS - 1 recieves and conducts NET training on the first AN/TPS - 59 (V) 3 radar delivered to the fleet
16 September - 31 October	Two ATC Det C Marines participated in TPN - 30 modifications in San Diego, CA
18 -29 September	ATC Det D prepared for unit relocation to MCAS Miramar, CA per BRAC directive 5400
21 - 30 September	TAOC Det participated in JSTE 98-03 as TAOC/Regional Air Direction Center at CADC

22 September	ATC Det B provided MMT support for VMGR 352 at Hunter - Liggett, CA
23 September	Squadron conducted embark readiness inspection
30 September- 2 October	ATC Det D personnel moved to MCAS Miramar, CA
5 - 30 October	H&S Det, TAOC Det, and ATC Det A deployed to MCAGCC 29 Palms and Big Bear, CA in support of WINGEX. The EW/C Det supported WINGEX from garrison at MCB CamPen, CA
5 October - 3 November	Squadron supported WTI 1-99 with ATC Det C providing the MATCALs, ATC Det B providing an MMT, TAOC Det providing two SAS's and H&S Det support
5 October - 5 November	EW/C Det supported to AFATDS LUT
5 October - 22 November	H&S Det, TAOC Det, ATC Det A, and ATC Det B deployed to MCAGCC Twentynine Palms, CA ISO CAX 1/2-99
10 October - 24 November	ATC Det D's AN/TPS - 73 deployed to MCAS Yuma, Az in support of WTI 1 - 99
13 - 21 October	ATC Det D tactical equipment and all supporting equipment moved to MCAS Miramar, CA
23 October	ATC Det D stands-up at MCAS Miramar, Ca
25 October - 21 November	EW/C Marines deploy to Holloman AFB to support German Fighter Weapons Instructors Course
26 October- 30 November	EW/C Detachment received AN/TPS - 59 (V3) from Lockheed Martin and completes radar acceptance, and training
10 November - 31 December	ATC Det C provided TPN - 22 support to MCAS Yuma during runway resurfacing
16 - 17 November	ATC Det B participated in Desert Knight and Desert Thunder
18 November - 9 December	EW/C Det supported VMFA - 314's ACTI work - ups

19 November - 31 December	ATC Det C conducted GCA support at MCAS Yuma
19 November	ATC Det B participated in Purple Knight Inspection
23 November	EW/C Det LTI on the AN/TPS - 59 (V1) completed. Six ATC Det B Marines participate in MEF Deployment Readiness Inspection. British Royal Officers toured MACS-1
30 November - 11 December	ATC Det D NAVAIDS and Communication sections deployed to SPAWARSCEN, NRAD, San Diego, CA for technical assist and repair/modifications to AN/GRC 171's and AN/TPN-30's
30 November - 4 December	EW/C Det supported VMFA - 134's DACTs against F - 16s from Luke AFB
1 - 11 December	Squadron conducted an MMO inspection
7 - 11 December	EW/C Det conducted Exercise Lightning Strike at Red Beach with 2 TAOMs, AN/TPS-59 (V) 3, and communications and motor transport assets.
11 - 12 December	ATC Det A MMT deployed in support of VMGR - 352 at Hunter - Liggett, CA

SECTION 4

SUPPORTING DOCUMENTATION

- A. *Cactus Comet* article "Corps' last Hawk detachments retire guidons, stand decommissioned" dated 24 September 1998.
- B. *Cactus Comet* article "MCAS Yuma Marine shows spectrum of talent as artist" dated 24 September 1998.
- C. *Cactus Comet* article "MACS - 1 uses V - 3 radar at Big Bear" dated 22 October 1998.
- D. *Cactus Comet* article "Operation Santa's Helpers" Dated 17 December 1998.